ABSTRACT OF THE DISCLOSURE

A processor unit is incorporated in a vehicle as an engine control unit (ECU). In the ECU, in response to occurrence of an event, an activation request program requests a real time operating system to activate a task that includes an event process corresponding to the event. The event processes corresponding to cyclic events, which occur in synchronous with the engine cycle or at regular intervals, are included in dedicated tasks each of which is created as one of the tasks for executing only one event process. Therefore the activation request program does not need to store the ID of the event process in a queue when it requests activation of a dedicated task. Further, when a dedicated task is activated by the RTOS, it can identify an event process to be executed without retrieving the ID of the event process from the queue.